



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,642	10/18/2004	John Barrett George	PU030040	2295
24498	7590	09/29/2005	EXAMINER	
THOMSON LICENSING INC. PATENT OPERATIONS PO BOX 5312 PRINCETON, NJ 08543-5312			TRAN, THUY V	
			ART UNIT	PAPER NUMBER
			2821	

DATE MAILED: 09/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/511,642	GEORGE, JOHN BARRETT
	Examiner Thuy V. Tran	Art Unit 2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 10/18/2004 incl. preliminary amendment.  
 2a) This action is FINAL.      2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-7 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-7 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 18 October 2004 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>10/18/2004</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

## **DETAILED ACTION**

This is a response to the Applicant's filing on 10/18/2004 and the preliminary amendment concurrently filed therewith. In virtue of this amendment, claims 1-7 are currently presented in the instant application.

### ***Information Disclosure Statement***

1. The information disclosure statement (IDS) submitted on 10/18/2004 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

### ***Specification Objection***

2. The specification of the disclosure is objected to because of the following informalities:\  
Page 3, line 34, "circuit" should be changed to --circuit--.  
Appropriate correction is required.

### ***Claim Objections/ Minor Informalities***

3. Claim 7 is objected to because of the following informalities:  
Line 3, "trminal" should be changed to --terminal--.  
Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

*(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.*

5. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over George et al. (U.S. Patent No. 6,115,085).

With respect to claims 1 and 6, George et al. discloses, in the figure, a video display apparatus comprising (1) a cathode ray tube [10] including an ultiot terminal [14] for developing an ultiot voltage at said ultiot terminal [14] to produce a beam current, said ultiot voltage having voltage fluctuations in a presence of changes in said beam current (see col. 1, lines 36-37), (2) a source of a first high voltage [16], (3) an impedance coupled to said source of said first high voltage and to a focus terminal [17] of said cathode ray tube for producing at said focus terminal a second high voltage including voltage fluctuations indicative of said voltage fluctuations of said ultiot voltage to provide for focus voltage tracking, (4) a source [23] of a periodic correction signal [DF], and (5) an amplifier (see col. 2, line 58) responsive to said periodic correction signal and capacitively coupled (via capacitor [24]) to said focus terminal [17] for producing at said focus terminal [17] a dynamic focus voltage that varies in accordance with a variation of a beam landing location. George et al. further discloses that the capacitor [24] has a first terminal coupled to said amplifier (see col. 2, line 58) and a second terminal coupled to said focus terminal [17] for capacitive coupling said amplifier to said focus terminal [17]. George et al. does not teach that the amplifier be capacitively coupled to said focus terminal in a manner to add no more than 75 picofarad to a value of an equivalent capacitance developed at said focus terminal. In other words, George et al. does not teach a capacitance value of no more than 75 picofarad for the capacitor [24]. However, George et al. suggests that the capacitance value of the capacitor [24] can be selected so as to obtain no significant signal attenuation and minimal phase shift of the vertical rate parabola component signal (see col. 2, line 65 – col. 3, line 2).

Therefore, for the stated purpose, selecting a capacitance value for the capacitor [24] of George et al. at a range of no more than 75 picofarad would have been deemed obvious to a person skilled in the art.

With respect to claim 2, George et al. discloses, in the figure, that the apparatus further comprises a high voltage winding [15] of a transformer [13], wherein said voltage fluctuations developed at said focus terminal [17] are coupled in common with said first high voltage via a resistor [150] from a terminal of said transformer [13] in a manner to exclude capacitive coupling.

With respect to claim 3, George et al. discloses, in the figure, that said impedance is included in a voltage divider [37] (see col. 3, line 64 – col. 4, line 2).

With respect to claim 4, George et al. discloses, in the figure, that said dynamic focus voltage includes a component at a frequency related to a vertical deflection frequency (see col. 4, lines 19-26).

With respect to claim 5, George et al. discloses, in the figure, that said dynamic focus voltage includes a component at a frequency related to a horizontal deflection frequency (see col. 4, lines 19-26).

With respect to claim 7, George et al. discloses, in the figure, that said impedance is included in a resistive voltage divider [37] having a terminal that is commonly coupled with said capacitor second terminal to said focus terminal [17].

*Citation of relevant prior art*

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Prior art George (U.S. Patent No. 6,300,731 B1) discloses a dynamic focus voltage amplitude controller.

Prior art George (U.S. Patent No. 6,297,600 B1) discloses a bias circuit for use with CRT.

Prior art Haferl (U.S. Patent No. 5,945,791) discloses a high voltage system.

Prior art Watanabe et al. (U.S. Patent No. 5,886,482) discloses a display device with dynamic focus circuit.

Prior art Sutton et al. (U.S. Patent No. 5,036,259) discloses a dynamic focus system for CRT display.

*Inquiry*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuy V. Tran whose telephone number is (571) 272-1828. The examiner can normally be reached on M-F (8:00 AM -5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/511,642  
Art Unit: 2821

Page 6

09/28/2005



THUY V. TRAN  
PRIMARY EXAMINER